

ABSTRACT OF THE DISCLOSURE

A regulator circuit and method are disclosed for a system. The regulator circuit may include a compare circuit for comparing a first supply voltage to a predetermined voltage level and generating an enable signal based upon the comparison. A selectively enabled voltage regulator is adapted to make available a predetermined current level at a regulated voltage when enabled by the compare circuit. When disabled, the voltage regulator circuit is prohibited from providing current. The voltage regulator may include an output transistor that is normally biased in a saturation mode of operation and is deactivated by the enable signal. By controlling the output transistor based upon the output of the compare circuit, the need for a relatively large transistor for connecting to the first supply voltage is eliminated.